L Number	Hits	Search Text	DB	Time stamp
-	1	("6478399").PN.	USPAT;	2003/02/13 14:41
_	10	1	US-PGPUB USPAT;	2003/02/12 14:37
		or ("5949444") or ("5946007") or ("5757402") or ("5710721") or ("5625384") or ("5548308") or ("5339098")).PN.	US-PGPUB	
_	10		USPAT	2003/02/12 14:37
	920	US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.		
	830		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/12 14:59
_	36	347/17 and ink\$2 and (warmup or (warm\$4 adj up))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/12 15:27
_	36	adj up))) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/12 14:41
-	1236		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/12 14:53
	14	347/7 and ink\$2 and (warmup or (warm\$4 adjup))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/12 15:00
_	14	(347/7 and ink\$2 and (warmup or (warm\$4 adj up))) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/12 14:55
-	12	((347/7 and ink\$2 and (warmup or (warm\$4 adj up))) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/12 14:55
_	1944	347/19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/12 15:06
-	30	347/19 and ink\$2 and (warmup or (warm\$4 adj up))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/12 15:06
-	30	(347/19 and ink\$2 and (warmup or (warm\$4 adj up))) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/12 15:00

Search History 2/13/03 6:21:10 PM Page 1

	20	1/(247/10 1:100		
-	20	((347/19 and ink\$2 and (warmup or (warm\$4 adj up))) not ((US-6478399-\$ or	USPAT;	2003/02/12 15:01
		US-5548308-\$ or US-5339098-\$ or	US-PGPUB;	
		US-6045206-\$ or US-5949444-\$ or	EPO; JPO; DERWENT;	
		US-5946007-\$ or US-5757402-\$ or	IBM TDB	
		US-5710721-\$ or US-5625384-\$ or	1507_155	
		US-6247774-\$).did.)) not (347/17 and ink\$2		
_	15	and (warmup or (warm\$4 adj up)))		
11	15	(((347/19 and ink\$2 and (warmup or (warm\$4 adj up))) not ((US-6478399-\$ or	USPAT;	2003/02/12 15:01
		US-5548308-\$ or US-5339098-\$ or	US-PGPUB;	
		US-6045206-\$ or US-5949444-\$ or	EPO; JPO; DERWENT;	
		US-5946007-\$ or US-5757402-\$ or	IBM TDB	
	İ	US-5710721-\$ or US-5625384-\$ or		
		US-6247774-\$).did.)) not (347/17 and ink\$2		
		and (warmup or (warm\$4 adj up)))) not (347/7 and ink\$2 and (warmup or (warm\$4		
1		adj up)))		
j -	1271	347/20	USPAT;	2003/02/12 15:06
			US-PGPUB;	2003/02/12 15:06
			EPO; JPO;	
			DERWENT;	
_	60	347/20 and ink\$2 and (IBM_TDB	
	00	347/20 and ink\$2 and (warmup or (warm\$4 adj up))	USPAT;	2003/02/12 15:08
		3 ~F / /	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	60	(347/20 and ink\$2 and (warmup or (warm\$4	USPĀT;	2003/02/12 15:08
		adj up))) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or	US-PGPUB;	
1	!	US-6045206-\$ or US-5949444-\$ or	EPO; JPO;	
		US-5946007-\$ or US-5757402-\$ or	DERWENT; IBM TDB	
		US-5710721-\$ or US-5625384-\$ or	1511_155	
	50	US-6247774-\$).did.)		
_	60	The state of the s	USPAT;	2003/02/12 15:08
Į.		adj up))) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or	US-PGPUB;	
		US-6045206-\$ or US-5949444-\$ or	EPO; JPO;	
		US-5946007-\$ or US-5757402-\$ or	DERWENT; IBM TDB	
		US-5710721-\$ or US-5625384-\$ or	120.1_122	
		US-6247774-\$).did.)) not (347/17 and ink\$2		
_	58	and (warmup or (warm\$4 adj up)))		
	36	(((347/20 and ink\$2 and (warmup or (warm\$4 adj up))) not ((US-6478399-\$ or	USPAT;	2003/02/12 15:09
		US-5548308-\$ or US-5339098-\$ or	US-PGPUB; EPO; JPO;	1
		US-6045206-\$ or US-5949444-\$ or	DERWENT;	
		US-5946007-\$ or US-5757402-\$ or	IBM TDB	
		US-5710721-\$ or US-5625384-\$ or	_	
		US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not		
		(347/7 and ink\$2 and (warmup or (warm\$4		
		adj up)))		
-	58	((((347/20 and ink\$2 and (warmup or	USPAT;	2003/02/12 15:09
	14	(warm\$4 adj up))) not ((US-6478399-\$ or	US-PGPUB;	
		US-5548308-\$ or US-5339098-\$ or	EPO; JPO;	
		US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or	DERWENT;	
		US-5710721-\$ or US-5625384-\$ or	IBM_TDB	
		US-6247774-\$).did.)) not (347/17 and ink\$2		
		and (warmup or (warm\$4 adj up)))) not		
		(347/7 and ink\$2 and (warmup or (warm\$4		
		adj up)))) not (347/19 and ink\$2 and		
_	225	(warmup or (warm\$4 adj up))) 347/17 and ink\$2 and (print\$6 with		0000/05/11
	223	cartridge)	USPAT;	2003/02/12 15:55
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	

-	141	347/17 and ink\$2 and (print\$6 with cartridge\$2) and memory	USPAT; US-PGPUB;	2003/02/12 15:42
			EPO; JPO;	
			DERWENT;	
_	136	347/17 and ink\$2 and (print\$6 with	IBM_TDB USPAT;	2003/02/12 15:31
		cartridge\$2) and memory and (number\$2)	US-PGPUB;	2003/02/12 15:31
			EPO; JPO;	
			DERWENT;	
-	14		IBM_TDB USPAT;	2003/02/12 15:49
		cartridge\$2) and memory and (serial adj	US-PGPUB;	2000/02/12 10:49
		number\$2)	EPO; JPO;	
	İ		DERWENT; IBM TDB	
-	14		USPAT;	2003/02/12 15:32
		cartridge\$2) and memory and (serial adj	US-PGPUB;	
		number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or	EPO; JPO; DERWENT;	
		US-6045206-\$ or US-5949444-\$ or	IBM TDB	
		US-5946007-\$ or US-5757402-\$ or	_	
		US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)		
_	13	((347/17 and ink\$2 and (print\$6 with	USPAT;	2003/02/12 15:32
		cartridge\$2) and memory and (serial adi	US-PGPUB;	2003/02/12 13.32
		number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or	EPO; JPO;	
		US-6045206-\$ or US-5949444-\$ or	DERWENT; IBM TDB	
		US-5946007-\$ or US-5757402-\$ or	1819_108	
		US-5710721-\$ or US-5625384-\$ or		
		US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))		
-	547	347/7 and ink\$2 and (print\$6 with	USPAT;	2003/02/12 15:41
		cartridge)	US-PGPUB;	2003/02/12 13.41
			EPO; JPO;	
			DERWENT; IBM TDB	
-	259	347/7 and ink\$2 and (print\$6 with	USPAT;	2003/02/12 15:55
		cartridge\$2) and memory	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	26	347/7 and ink\$2 and (print\$6 with	USPĀT;	2003/02/12 15:56
		<pre>cartridge\$2) and memory and (serial adj number\$2)</pre>	US-PGPUB;	
			EPO; JPO; DERWENT;	
		10.00	IBM_TDB	
-	22	(347/7 and ink\$2 and (print\$6 with	USPĀT;	2003/02/12 15:43
		cartridge\$2) and memory and (serial adj number\$2)) not (347/17 and ink\$2 and	US-PGPUB; EPO; JPO;	
		(print\$6 with cartridge\$2) and memory and	DERWENT;	
_	223	(serial adj number\$2))	IBM_TDB	
	223	(347/17 and ink\$2 and (print\$6 with cartridge)) not (347/7 and ink\$2 and	USPAT; US-PGPUB;	2003/02/12 15:43
		(warmup or (warm\$4 adj up)))	EPO; JPO;	
		• • • • • • • • • • • • • • • • • • • •	DERWENT;	
_	20	((347/7 and ink\$2 and (print\$6 with	IBM_TDB	0000/00/100
	20	cartridge\$2) and memory and (serial adj	USPAT; US-PGPUB;	2003/02/12 15:44
		number\$2)) not (347/17 and ink\$2 and	EPO; JPO;	
		(print\$6 with cartridge\$2) and memory and	DERWENT;	
		(serial adj number\$2))) not (347/7 and ink\$2 and (warmup or (warm\$4 adj up)))	IBM_TDB	
_	2	347/17 and ink\$2 and (print\$6 with	USPAT;	2003/02/12 15:50
		cartridge\$2) and memory and	US-PGPUB;	2000/02/12 10.00
		(identification adj number\$2)	EPO; JPO;	
			DERWENT; IBM TDB	
	<u> </u>		TOM INR	

11 347/7 and ink\$2 and (print\$6 with cartridge\$2) and memory and (selement) 2003/02/12 15:52		11	242/2 1 /-100		
[identification adj number\$2]	-	11	34/// and ink\$2 and (print\$6 with		2003/02/12 15:52
Total			(identification add number(2)		-
Total			(Identification adj number\$2)		
Total					
Cartridge US-pcpuB; EPO; JPO; DERWENT; IBM TDB US-part; US-pcpuB; EPO; JPO; DERWENT; US-pcpuB; EPO; JPO; DERWENT; IBM TDB US-part; US-pcpuB; EPO; JPO; DERWENT; IBM TDB US-part; US-pcpuB; EPO; JPO; DERWENT; US-pcpuB; EPO; JPO; DERWENT; US-pcpuB; EPO; JPO; DERWENT; US-pcpuB; EPO; JPO; DERWENT; US-pcpuB; EPO; JPO; US-part; US-pcpuB; EPO; JPO; DERWENT; US-pcpuB; EPO; JPO; US-part; US-pcpuB; EPO; JPO; DERWENT; US-pcpuB; EPO; JPO; US-part; US-pcpuB; EPO; JPO; US-part; US-pcpuB;	-	768	347/19 and ink\$2 and (prints6th		0000/00/10 15 55
- 582 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory		, , , ,	cartridge)		2003/02/12 15:55
- 582 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory 543 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2) 558 568 579 589 580 580 580 580 580 580 58			carcinage		
582 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2) 2003/02/12 15:57					
-		1		1	
- 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2) - 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2) - 352 (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) - 354 (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not (US-6478399-\$ or US-6548308-\$ or US-5349044-\$ or US-57402-\$ or US-6247774-\$).did.) - 352 ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not (US-6478399-\$ or US-5548308-\$ or US-534308-\$ or US-5548308-\$ or US-5548308-\$ or US-5548308-\$ or US-5548308-\$ or US-5547402-\$ or US-5647474-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) - 466 ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not (US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5645306-\$ or US-5946007-\$ or US-5545364-\$ or US-564774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) - 466 ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not (US-6678399-\$ or US-5548308-\$ or US-537402-\$ or US-554308-\$ or US-554702-\$ or US-557402-\$ or US-557402-\$ or US-557402-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-567384-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-562384-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5757402-\$ or US-557402-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5757402-\$ or US-577402-\$ or US-577402-\$ or US-557402-\$ or US-577402-\$ or US-557402-\$ or US-577402-\$ or US-577402	_	582	347/19 and ink\$2 and (print\$6 with		2003/03/13 15:56
### 19 ### 19		ĺ	cartridge\$2) and memory		2003/02/12 15:56
Sample			, <u>.</u>		
- 54 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj uppl)					
S4 347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) and memory and (serial adj number\$2) Cartridge\$2) Cartridge\$2 C					
Cartridge\$2) and memory and (serial adj number\$2) Number\$2 (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2) not ((US-6478399-\$ or US-5548308-\$ or US-5949444-\$ or US-5710721-\$ or US-5625384-\$ or US-5239098-\$ or US-5946007-\$ or US-5548308-\$ or US-5625384-\$ or US-5946007-\$ or US-55625384-\$ or US-5946007-\$ or US-5625384-\$ or US-56247774-\$), did.) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5733909-\$ or US-5946007-\$ or US-5737402-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-5946007-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-5946007-\$ or US-5757402-\$ or US-562508-\$ or US-594944-\$ or US-5946007-\$ or US-5757402-\$ or US-59408-\$ or US-5757402-\$ or US-59408-\$ or US-594944-\$ or US-5946007-\$ or US-5757402-\$ or US-59408-\$ or US-594944-\$ or US-5946007-\$ or US-5757402-\$ or US-59408-\$ or US-594944-\$ or US-5946007-\$ or US-5757402-\$ or US-594007-\$ or US-5757402-\$ or US-59407-\$ or US-5757402-\$ or US-59407-\$ or US-5757402-\$ or US-59407-\$ or US-5757402-\$ or US-59407-\$ or US-59407-\$ or US-59407-\$ or US-5757402-\$ or US-59407-\$ o	-	54	347/19 and ink\$2 and (print\$6 with	_	2003/02/12 15:57
Number\$2 S2			cartridge\$2) and memory and (serial adi		2003/02/12 13.5/
Semilar			number\$2)		
TBM TDB					
S2				1	
Cartridge\$2) and memory and (serial adj number\$2) not (US-6478399-\$ or US-5548308-\$ or US-53499484-\$ or US-5946007-\$ or US-55494444-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-554808-\$ or US-5548308-\$ or US-5548308-\$ or US-5548308-\$ or US-5548308-\$ or US-5548308-\$ or US-5548007-\$ or US-5548007-\$ or US-5548007-\$ or US-5548007-\$ or US-55710721-\$ or US-5625384-\$ or US-5346007-\$ or US-5710721-\$ or US-5625384-\$ or US-534808-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5648308-\$ or US-534808-\$ or US-534808-\$ or US-534808-\$ or US-5548308-\$ or US-5549444-\$ or US-5548308-\$ or US-5549444-\$ or US-5548308-\$ or US-5549444-\$ or US-5548308-\$ or US-557402-\$ or US-5625384-\$ or US-5946007-\$ or US-557492-\$ or US-5625384-\$ or US-5946007-\$ or US-557492-\$ or US-5625384-\$ or US-5946007-\$ or US-557492-\$ or US-5625384-\$ or US-5946007-\$ or US-5625384-\$ or US-5247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not (US-6478399-\$ or US-5625384-\$ or US-5648308-\$ or US-5949444-\$ or US-5648308-\$ or US-5949444-\$ or US-5648308-\$ or US-5949444-\$ or US-5648308-\$ or US-5949444-\$ or US-5648308-\$ or US-534998-\$ or US-5648308-\$ or US-5349444-\$ or US-6645206-\$ or US-5949444-\$ or US-6645206-\$ or US-594944-\$ or US-6645206-\$ or US-594944-\$ or US-6645206-\$ or US-594944-\$ or US-6645206-\$ or US-594944-\$ or US-6645206-\$ or US-694944-\$ or US-6645206-	-	52	(347/19 and ink\$2 and (print\$6 with	_	2003/02/12 15:57
number\$2) not ((US-6478399-\$ or US-5548308-\$ or US-5548098-\$ or US-5548098-\$ or US-5548007-\$ or US-55494444-\$ or US-5710721-\$ or US-572702-\$ or US-5627774-\$).did.) 52			cartridge\$2) and memory and (serial adi	1	2003/02/12 15.5/
US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-5947774-\$). did.) US-647774-\$). did.) 103-647774-\$). did.) 1046 105-6478399-\$ or US-534944-\$ or US-534944-\$ or US-548308-\$ or US-534944-\$ or US-594607-\$ or US-5757402-\$ or US-571774-\$). did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 105-647774-\$). did.)) not (347/17 and ink\$2 and (warmup or US-5625384-\$ or US-5339098-\$ or US-5339098-\$ or US-5339098-\$ or US-5648308-\$ or US-5349444-\$ or US-6645206-\$ or US-5949444-\$ or US-5648007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5349444-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5349444-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5848308-\$ or US-5339098-\$ or US-5348308-\$ or US-5339098-\$ or US-5710721-\$ or US-5625384-\$ or US-5848308-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-571002-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-571002-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-571002-\$ or US-5710721-\$ or US-5625384-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5828444-\$ or US-647839-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5625384-\$ or US-5710721-\$ or U			number\$2)) not ((US-6478399-\$ or	,	
US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5525384-\$ or US-6247774-\$).did.) 52 ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5349098-\$ or US-5349098-\$ or US-5349098-\$ or US-5349098-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 6	ļ		US-5548308-\$ or US-5339098-\$ or		
US-5946007-\$ or US-5757402-\$ or US-6247774-\$).did.) (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-53994944-\$ or US-5710721-\$ or US-5575402-\$ or US-5710721-\$ or US-55748308-\$ or US-539998-\$ or US-539998-\$ or US-5946007-\$ or US-5525384-\$ or US-594607-\$ or US-5757402-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-5548308-\$ or US-5949444-\$ or US-5946007-\$ or US-5525384-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5710721-\$ or US-5949444-\$ or US-5710721-\$ or US-5548308-\$ or US-5710721-\$ or US-5625384-\$ or US-584808-\$ or US-5710721-\$ or US-5625384-\$ or US-584808-\$ or US-5710721-\$ or US-5625384-\$ or US-5949444-\$ or US-584808-\$ or US-5739098-\$ or US-5710721-\$ or US-5625384-\$ or US-5948007-\$ or US-5739098-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5739098-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-5946007-\$ or US-5707402-\$ or			US-6045206-\$ or US-5949444-\$ or		
US-6247774-\$).did.) ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5339098-\$ or US-5339098-\$ or US-5339098-\$ or US-5339098-\$ or US-5339098-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-6045206-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-554808-\$ or US-5339098-\$ or US-5339098-\$ or US-5949444-\$ or US-5625384-\$ or US-5949444-\$ or US-564308-\$ or US-5339098-\$ or US-5949444-\$ or US-564308-\$ or US-5339098-\$ or US-5949444-\$ or US-564308-\$ or US-5339098-\$ or US-5949444-\$ or US-564308-\$ or US-5710721-\$ or US-5625384-\$ or US-5949444-\$ or US-564384-\$ or US-5949444-\$ or US-564384-\$ or US-5946007-\$ or US-5757402-\$ or US-564384-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-5949444-\$ or US-5710721-\$ or US-5625384-\$ or US-5949444-\$ or US-5710721-\$ or US-5625384-\$ or US-594944-\$ or US-5710721-\$ or US-5625384-\$ or US-594944-\$ or US-5710721-\$ or US-5625384-\$ or US-594944-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-594944-\$ or US-5710721-\$ or US-5625384-\$ or US-594944-\$ or US-			US-5946007-\$ or US-5757402-\$ or		
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cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5910721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 46 (((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5949444-\$ or US-6045206-\$ or US-5949444-\$ or US-6946007-\$ or US-5710721-\$ or US-5625384-\$ or US-6045206-\$ or US-5949444-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) 46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2)) not ((US-6478399-\$ or US-5710721-\$ or US-5625384-\$ or US-5949444-\$ or US-584308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-5710721-\$ or US-5625384-\$ or US-5949444-\$ or US-5645206-\$ or US-5949444-\$ or US-5710721-\$ or US-5625384-\$ or US-594907-\$ or US-5757402-\$ or US-5645206-\$ or US-5949444-\$ or US-594007-\$ or US-5757402-\$ or US-564774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and (warm\$4 adj up)))			US-6247774-\$).did.)		
Cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5949444-\$ or US-6045206-\$ or US-5949444-\$ or US-6045206-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-575402-\$ or US-5710721-\$ or US-5625384-\$ or US-510721-\$ or US-5625384-\$ or US-5949444-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-55757402-\$ or US-56247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))	-	52	((347/19 and ink\$2 and (print\$6 with	USPAT;	2003/02/12 15:57
US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5710721-\$ or US-5625384-\$ or US-5348308-\$ or US-5339098-\$ or US-5548308-\$ or US-5757402-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5710721-\$ or US-5625384-\$ or US-5339098-\$ or US-5339098-\$ or US-5339098-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5710721-			cartridge\$2) and memory and (serial adj	US-PGPUB;	
US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-59757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) ((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-53384-\$ or US-5348399-\$ or US-5348308-\$ or US-5339098-\$ or US-5548308-\$ or US-5949444-\$ or US-5548308-\$ or US-534994-\$ or US-5548308-\$ or US-53499444-\$ or US-5548308-\$ or US-53499444-\$ or US-5548308-\$ or US-5349444-\$ or US-5548007-\$ or US-5757402-\$ or US-5757402-\$ or US-5710721-\$ or US-5525384-\$ or US-5946007-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			number\$2)) not ((US-6478399-\$ or		
US-5946007-\$ or US-5757402-\$ or US-57710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 46 (((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((0S-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((((347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not (((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-5757402-\$ or US-5757402-\$ or US-5757402-\$ or US-5710721-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			US-5548308-\$ or US-5339098-\$ or	DERWENT;	
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and (warmup or (warm\$4 adj up))) (((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5949444-\$ or US-6045206-\$ or US-5949444-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5710721-\$ or US-57402-\$ or US-5946007-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))))			US-5/10/21-\$ or US-5625384-\$ or		
46 (((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5339098-\$ or US-5946007-\$ or US-5710721-\$ or US-554308-\$ or US-5949444-\$ or US-6045206-\$ or US-5749444-\$ or US-6045206-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and (warm\$4 adj up)))) not (347/20 and ink\$2 and (warm\$4 adj up)))) not (347/20 and ink\$2 and			0S-6247774-\$).did.)) not (347/17 and ink\$2		
Cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5949444-\$ or US-5946007-\$ or US-5949444-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and	_	46	and (warmup or (warm\$4 adj up)))		
number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5757402-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5348007-\$ or US-5757402-\$ or US-5946007-\$ or US-5757402-\$ or US-6045206-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$1 IBM_TDB)) USPAT; USPAT; USPAT; USPGPUB; EPO; JPO; DERWENT; IBM_TDB US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5949444-\$ or US-6045206-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and	1	40	(((34//19 and ink\$2 and (print\$6 with		2003/02/12 15:57
US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and		1	number (2) \+ //NG (A70200 A		
US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-55339098-\$ or US-5548308-\$ or US-5549444-\$ or US-5946007-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			119-5548308-6 or 119-5330000 6		
US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5949444-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			US-6045206-\$ or US-5339098-\$ or		
US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-5548308-\$ or US-5949444-\$ or US-5946007-\$ or US-5949444-\$ or US-5910721-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			US-5946007-¢ or US-5949444-\$ OF	IBW_LDB	
US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			11S = 5710721 = 9 or $11S = 5625304$ e on		
and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up))) 46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5339098-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			US = 6247774 = S) did)) not $(347/17)$ and inker		
(347/19 and ink\$2 and (warmup or (warm\$4 adj up))) ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and				ĺ	
adj up))) ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			(347/19 and ink\$2 and (warmup or (warm\$4		
46 ((((347/19 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and					
cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and	-	46		IIGDAT.	2003/02/12 15.57
number\$2)) not ((US-6478399-\$ or US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			cartridge\$2) and memory and (serial adi		2003/02/12 13.37
US-5548308-\$ or US-5339098-\$ or US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			number\$2)) not ((US-6478399-\$ or		
US-6045206-\$ or US-5949444-\$ or US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and					
US-5946007-\$ or US-5757402-\$ or US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and					
US-5710721-\$ or US-5625384-\$ or US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and				-2	
US-6247774-\$).did.)) not (347/17 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and					
and (warmup or (warm\$4 adj up)))) not (347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			US-6247774-\$).did.)) not (347/17 and inkS2		
(347/19 and ink\$2 and (warmup or (warm\$4 adj up)))) not (347/20 and ink\$2 and			and (warmup or (warm\$4 adj up)))) not		
adj up)))) not (347/20 and ink\$2 and			(347/19 and ink\$2 and (warmup or (warm\$4		
(warmup or (warm\$4 adj up)))			adj up)))) not (347/20 and ink\$2 and		
			(warmup or (warm\$4 adj up)))		

-		27	(((((347/19 and ink\$2 and (print\$6 with	USPAT;	2003/02/12 15:58
			cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or	US-PGPUB;	
	ĺ		US-5548308-\$ or US-5339098-\$ or	EPO; JPO;	
			US-6045206-\$ or US-5949444-\$ or	DERWENT;	
			US-5946007-\$ or US-5757402-\$ or	IBM_TDB	
			US-5710721-\$ or US-5625384-\$ or		
			US-6247774-\$).did.)) not (347/17 and ink\$2		
			and (warmup or (warm\$4 adj up)))) not		
			(347/19 and ink\$2 and (warmup or (warm\$4		
	!		adj up)))) not (347/20 and ink\$2 and		
			(warmup or (warm\$4 adj up)))) not (347/7		
			and ink\$2 and (print\$6 with cartridge\$2)		
		٥.	and memory and (serial adj number\$2))		
] -		25	((((((347/19 and ink\$2 and (print\$6 with	USPAT;	2003/02/12 17:16
			cartridge\$2) and memory and (serial adj number\$2)) not ((US-6478399-\$ or	US-PGPUB;	
			US-5548308-\$ or US-5339098-\$ or	EPO; JPO;	
1	ļ		US-6045206-\$ or US-5949444-\$ or	DERWENT;	
			US-5946007-\$ or US-5757402-\$ or	IBM_TDB	
			US-5710721-\$ or US-5625384-\$ or		
			US-6247774-\$).did.)) not (347/17 and ink\$2		
			and (warmup or (warm\$4 adi up)))) not		
			(347/19 and ink\$2 and (warmup or (warm\$4		
			adj up)))) not (347/20 and ink\$2 and		
			(warmup or (warm\$4 adj up)))) not (347/7		
			and ink\$2 and (print\$6 with cartridge\$2)		
			and memory and (serial adj number\$2))) not		
			(347/17 and ink\$2 and (print\$6 with cartridge\$2) and memory and (serial adj		
			number\$2))		
i –		1	("6494559").PN.	USPAT;	2003/02/12 17:16
		1	, , , , , , , , , , , , , , , , , , , ,	US-PGPUB	2003/02/12 17:16
_		1	("5812156").PN.	USPAT;	2003/02/13 11:01
				US-PGPUB	1000,02,13 11.01
_		0	347/17,19 and ((serial adj number) with	USPAT;	2003/02/13 11:02
_		0	encrypt)	US-PGPUB	
		ď	347/17,19 and ((serial adj number) with encrypt\$5)	USPAT;	2003/02/13 11:02
_		9	347/\$.ccls. and ((serial adj number) with	US-PGPUB	2002/20/12 11 51
		-	encrypt\$5)	USPAT; US-PGPUB	2003/02/13 11:54
- ,		1	("5812156").PN.	USPAT;	2003/02/13 12:38
		ĺ		US-PGPUB	2003/02/13 12.30
_		9	347/11 and (warm-up or warmup or (warm\$4	USPAT;	2003/02/13 13:44
			adj up))	US-PGPUB;	
				EPO; JPO;	1
				DERWENT;	
_	,	30	3/7/1/ and ///	IBM_TDB	
	1	, 0	347/14 and (warm-up or warmup or (warm\$4 adj up))	USPAT;	2003/02/13 12:47
			αα, αρ,,	US-PGPUB;	
				EPO; JPO; DERWENT;	
				IBM TDB	
-	2	26	(347/14 and (warm-up or warmup or (warm\$4	USPAT;	2003/02/13 12:48
			adj up))) not (347/11 and (warm-up or	US-PGPUB;	200702713 12.40
			warmup or (warm\$4 adj up)))	EPO; JPO;	
				DERWENT;	
_			//247/14	IBM_TDB	
-	2	22	((347/14 and (warm-up or warmup or (warm\$4	USPĀT;	2003/02/13 12:48
			adj up))) not (347/11 and (warm-up or	US-PGPUB;	
			warmup or (warm\$4 adj up)))) and pulse\$2	EPO; JPO;	
				DERWENT;	
_	3	9	347/11 and (puls\$5 with amplitude\$2) and	IBM_TDB USPAT;	2002/02/12 12 15
			(puls\$5 with duration)	USPAT; US-PGPUB;	2003/02/13 13:45
				EPO; JPO;	
				DERWENT;	
				IBM TDB	

,				
-	39	(347/11 and (puls\$5 with amplitude\$2) and	USPAT;	2003/02/13 13:46
		(puls\$5 with duration)) not (347/\$.ccls.	US-PGPUB;	
<u> </u>		and ((serial adj number) with encrypt\$5))	EPO; JPO;	
		-	DERWENT;	
			IBM TDB	
_	39	(347/11 and (puls\$5 with amplitude\$2) and	USPĀT;	2003/02/13 13:46
		(puls\$5 with duration)) not (((347/14 and	US-PGPUB;	
		(warm-up or warmup or (warm\$4 adj up)))	EPO; JPO;	
		not (347/11 and (warm-up or warmup or	DERWENT;	
		(warm\$4 adj up)))) and pulse\$2)	IBM TDB	
1 -	1	("5812156").PN.	USPAT;	2003/02/13 17:03
			US-PGPUB	
-	1	("5477246").PN.	USPAT;	2003/02/13 17:03
			US-PGPUB	